Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Friday 16 Dec 2022 until 23:59 on Saturday 17 Dec 2022

Forecast Issued on Thursday 15 Dec 2022 at 13:24

Confidence: High for a change to a milder west to southwest flow with fronts crossing the area, but lowering confidence for the detail of worst of associated conditions.

Headline for Friday 16 Dec 2022: Mainly dry with brighter spells. Freezing level lifting a little as southwest winds develop. Severe wind chill at height.

Mountain weather hazards on Friday 16 Dec 2022

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Clear night	Clear night	Clear night	Sunny intervals	Sunny intervals	Sunny intervals	Partly cloudy (night)	Partly cloudy (night)
Precipitation probability							
00%	00%	00%	00%	<05%	<05%	10%	10%

Forecast for Friday 16 Dec 2022

Weather: Dry with prolonged clear spells and frost extending to all levels overnight. Mainly dry through the day with only a few light isolated wintry showers appearing between spells of weak winter sunshine. Cloud increasing for the evening to bring the risk of some patchy snow.

Chance of cloud-free hill tops above 600m: 95% plus at first becoming 80% for the afternoon

Low cloud and visibility: Very good, briefly poor or very poor in showers, virtually nil within cloud with bases lowering 500m at times, mainly later in the day.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
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Met Office Mountain Weather Forecast

Forecast for Friday 16 Dec 2022

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	3/6 NW	6/9 SW	8/11 SW	10/14 SW	11/16 SW	13/19 SW	16/24 SW	17/27 SW	18/28 SW
300	2/3 W	3/5 SW	4/5 SW	4/7 S	4/9 W	7/13 SW	10/20 SW	12/21 SW	13/24 SW
Valley	1/2 W	1/3 SE	2/4 SE	3/7 SE	3/11 S	4/13 S	6/19 S	7/21 S	8/22 S

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	-1/-4	-2/-6	-2/-7	-2/-7	-1/-6	-2/-7	-2/-8	-2/-9	-2/-9
300	-1/-2	-1/-3	-2/-4	-2/-4	0/-2	0/-3	0/-4	-0/-6	-1/-6
Valley	-5/-8	-6/-8	-5/-7	-3/-5	0/-2	-0/-3	-1/-5	-1/-5	-1/-6
Freezing Level*	00m	00m	00m	00m	100m	100m	00m	100m	100m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View
Severe wind chill at height.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Thu 15 Dec 2022	0.2mm	0.8mm	0.8mm

Forecast for Saturday 17 Dec 2022

Weather: Rather cloudy with showers or longer periods of snow, sleet and rain. Snow level erratically lifting to reach around 500m by late afternoon.

Maximum wind: South to southwest mean 20-25 mph with gusts reaching 35 mph across most exposed ridges and summits.

Chance of cloud-free hill tops above 600m: 25%

Low cloud and visibility: Good or very good, becoming moderate or poor in rain, very poor in snow, virtually nil within cloud with bases quite extensive from 500m.

Temperature: **Valleys:** Minus 6 Celsius increasing plus 5 Celsius by late afternoon
At 600m: Minus 2 Celsius increasing Zero Celsius for afternoon
Freezing level: 300m lifting 600m

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